

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) An agricultural system comprising:
a motorcycle drive unit and an agricultural tool assembly, wherein a rear wheel of the motorcycle drive unit is removed and the agricultural tool assembly is attached to the motorcycle drive unit in place of the rear wheel~~is attached to the tool assembly~~ and wherein the agricultural tool assembly is removable from the motorcycle drive unit for re-attachment of the rear wheel to the motorcycle drive unit, the agricultural system capable for use in farming.
2. (currently amended) The system of claim 1 wherein the agricultural tool assembly further comprises a structural chassis suitable for attachment of farm implements and adapted to be mounted on an axle having first and second ends, the structural chassis at least partially supported on first and second wheels coupled to the first and second ends of the axle.
3. (canceled)
4. (previously presented) The system of claim 2 further comprising a transmission unit comprising a differential gear box comprising a sprocket mounted on the axle and adapted to be connected to the motorcycle drive unit.
5. (currently amended) The system according to claim 1 wherein said agricultural tool assembly further comprises a multi-purpose tool bar for securing at least one of a cultivator, a seed drill, and a sprayer kit.
6. (canceled)
7. (currently amended) The system according to claim 1 wherein said agricultural tool assembly further comprises a lifting mechanism.
8. (currently amended) An agricultural system for use in farming comprising:
a motorcycle drive unit wherein a rear wheel of the motorcycle drive unit is removed and an agricultural tool assembly is attached to the motorcycle drive unit in place of the rear wheel;

the agricultural tool assembly comprising a structural chassis and an axle comprising first and second ends;

a first wheel disposed at the first end of the axle;

a second wheel disposed at the second end of the axle;

a transmission unit comprising a differential gear box disposed between the first and second wheels;

a multi-purpose tool bar for at least one of a cultivator, a seed drill, and a sprayer kit mounted on the structural chassis;

a braking system connected to at least one of the first or second wheels; and a lifting mechanism.

9. (withdrawn) A method of adapting a motorcycle for farming comprising:

removing a motorcycle drive wheel and motorcycle drive axle from a motorcycle to form a motorcycle drive unit;

attaching a tool assembly to said motorcycle drive unit; said tool assembly comprising a tool assembly axle; and

connecting a transmission unit for power delivery from the motorcycle drive unit to said tool assembly axle, wherein said power delivery is at a reduced speed and increased torque relative to the speed and torque previously delivered to the motorcycle drive axle.

10. (withdrawn) A tool assembly comprising:

a chassis capable of being attached to an unmodified motorcycle drive unit, said chassis suitable for attachment of farm implements; and

a transmission unit capable of being connected to an unmodified motorcycle drive unit output.

11. (withdrawn) The tool assembly of claim 10 wherein said transmission unit delivers power from the motorcycle drive unit output to a tool assembly axle at a reduced speed and increased torque relative to the speed and torque previously delivered to a motorcycle drive axle.

12. (withdrawn) The tool assembly of claim 11 wherein said transmission unit includes a differential gear box.

13. (withdrawn) The tool assembly of claim 12 wherein said differential gear box is located in a central region of said tool assembly axle.
14. (withdrawn) The tool assembly of claim 10 further comprising a lifting mechanism; the lifting mechanism comprising a multi-purpose tool bar.
15. (withdrawn) The lifting mechanism of claim 14 further comprising a lever and a pulley.
16. (withdrawn) The tool assembly of claim 10 further comprising at least one spacer for a tool assembly track width adjustment.
17. (withdrawn) The tool assembly of claim 16 wherein the tool assembly track width adjustment allows independent wheel-spacing adjustment.
18. (previously presented) The system of claim 2 further comprising at least one spacer for a tool assembly track width adjustment.
19. (previously presented) The system of claim 18 wherein the tool assembly track width adjustment allows independent wheel-spacing adjustment.
20. (previously presented) The system according to claim 7 wherein said lifting mechanism comprises a lever and a pulley.
21. (currently amended) The system according to claim 1 wherein said agricultural tool assembly further comprises a braking system.